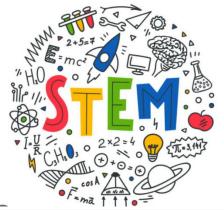
Omega Psi Phi Fraternity, Inc. 79th 12Th District Conference, in conjunction with the Epsilon Xi Chapter presents

STEM Program

Title: Water Health-Testing Contaminants in Drinking Water



On Thursday, May 15, 2024, at the Martin Luther King Technical High School, the STEM Program of the 12th District, Omega Psi Phi Fraternity, Inc. is presenting a STEM Workshop. This workshop is not just about STEM Careers of the Future, but also about providing Skill Training (Environmental Sampling Tech) that could be crucial for your future careers.

This is a unique opportunity for you to attend the firstever Workshop and Skill Training, scheduled for

Thursday, May 16, 2024, from 2:30 p.m. to 3:45 p.m. at the MLK Technical High School in Sacramento, CA.

The student attendees will have the unique opportunity to learn from EPA/Cal-EPA Trained Environmental professionals, gain insights into STEM Careers of the Future, and acquire a technical skill set training on being an Environmental Sampling Technician. This skill, Environmental Sampling Technician (Water/Air), is in Great demand as the World deals with Climate change, Contaminated water, and illegal disposal of Hazardous/Toxic Wastes. Students using Standard testing kits will test various Bottled waters for hazardous Inorganic Chemicals.

This STEM Symposium was recently given to High School students in California, who said Amazing STEM presentation".

Also, attendees will receive a Certificate of Completion, and some will be awarded Door prizes, such as Drones and Hydroponics growing kits.

Note: The STEM Program is hosted by the 12th District, Omega Psi Phi Fraternity, Inc. For additional information call Mr. M Haynes, STEM Program Chair, at 909-396-236



AGENDA



Thursday, May 16, 2024 2:30 p.m. to 3:45 p.m. MLK Technical High School in Sacramento, CA.

Summary- Top 10 Popular Brands of Bottle Drinking Water Contamination Testing- Explain the Experiment

- 1. Introduction- STEM Careers of Future- PowerPoint 15 min
- 2. Top 10 Bottled Drinking Water Brands
 - Discuss Brands/Types of Water-Wells, Streams etc.
 - List EPA/CDC Drinking Water Standards for Contaminants
- 3. Dangers of Drinking Contaminated Water
 - List Contaminants leading to Cancers
 - Cancers causes by Contaminated H2O
 - Case Study (Camp Lejeune)
- 4. Testing Bottle Water for Hazardous Contaminants
 - Select (4) Water Brands and Sample of School Water
 - Using (1oz) paper cups, pour and sample
 - Using 16 in 1 Drinking Water Test Kit, High Sensitivity Test Strips detect and identify Contaminants (chlorine, pH, total alkali, hardness, iron, copper, lead, nitrate, nitrite, bromine, total chlorine, chromium, fluorine, cyanuric acid)
- 5. Presentation of Findings-Worksheet (Compare Bottle Price/Brand/Contaminants)
- 6. Closing remarks/Door Prizes for Top (3) Teams

Lead Facilitator

M Haynes, Hazardous Material Engineer, SCAQMD 951-830-8880

